

REMARKS

Applicants request favorable reconsideration and allowance of the present application in view of the foregoing amendments and the following remarks.

Claims 1, 3, 4, 6-10, 12-19, 24-29, and 31 are pending in the present application. Claims 1, 10, 19, and 31 are the independent claims. Claim 32 has been cancelled without prejudice.

Claims 1, 6, 7, 9, 10, 15-19, 24-27, and 31 have been amended. Applicants submit that support for the amendments can be found in the original disclosure and that no new matter has been added.

Claims 1, 3, 4, 6-10, 12-18, 28-29 and 31-32 were rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,317,127 (Daily) in view of U.S. Patent No. 6,522,312 (Ohshima et al.). Claims 19 and 24-27 were rejected under 35 U.S.C. 103(a) as being unpatentable over Daily in view of Ohshima et al., U.S. Patent No. 6,624,853 (Latypov) and U.S. Patent No. 6,445,815 (Sato).

As recited in independent Claim 1, the present invention is directed to an augmented reality presentation apparatus having an objective viewpoint augmented reality presentation means and a player's viewpoint augmented reality presentation means. Further, the objective viewpoint augmented reality presentation means recited in Claim 1 includes, *inter alia*, the features of sensing a video of a real space, including players observing an augmented reality, from an objective viewpoint position, generating a video of a virtual object viewed from the objective viewpoint position, composing an augmented reality video viewed from the objective viewpoint position on the basis of the sensed video and the generated video, and displaying the composed augmented reality video on an

observer's display apparatus that is separate from any player's display apparatus and is not being worn by any player. The player's viewpoint augmented reality presentation means recited in Claim 1 includes, among others, the features of sensing a video of the real space view from a player's viewpoint position, generating a video of a virtual object viewed from the player's viewpoint position, composing an augmented reality video viewed from the player's viewpoint position on the basis of the sensed video and the generated video, and displaying the composed augmented reality video on a screen of a player's display apparatus worn by the player.

With the above features, a player can view an augmented reality video that shows a real space and a virtual object from his viewpoint position while being free to move about since he is wearing a display apparatus. On the other hand, an observer can view a different augmented reality video that shows the real space, *including players who are observing an augmented reality*, and a virtual object from an objective viewpoint, and the observer can view this video on a display apparatus that is separate from any player's display apparatus and is not being worn by any player.

Applicants submit that the cited art fails to disclose or suggest at least the above-mentioned combination of features. In particular, Applicants submit that the cited art, even when considered in combination, fails to disclose or suggest at least the feature of sensing a video of a real space from an objective viewpoint, including players who are observing an augmented reality, and displaying a composed augmented reality video including the sensed video on a display apparatus that is separate from any player's display apparatus and is not being worn by any player.

The Examiner asserts at pages 2-3 of the Office Action that Daily discloses that an image of a user is included in a video of a wide FOV captured by a fish eye lens 172 or geodesic array of sensors 170. However, those components are disclosed in Daily as being mounted to the underside of an airplane (col. 11, lines 19-22) or on top of an airplane (col. 12, lines 2-5). Therefore, the wide FOV disclosed in Daily cannot encompass any of the passengers (i.e., “players”) on the plane. Moreover, the wide FOV video signal is distributed to the plurality of passengers 159 who each wear a HMD 160. Thus, the wide FOV video signal, even if it could encompass any of the passengers, is only displayed on display apparatuses worn by the passengers and is not displayed on an observer’s display apparatus that is separate from any player’s display apparatus and is not being worn by any player.

Applicants submit that the other cited art fails to remedy the above-noted deficiencies of Daily.

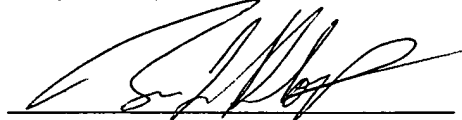
Accordingly, Applicants submit that the present invention recited in independent Claim 1 is patentable over the cited art, whether that art is considered individually or taken in combination.

The other independent claims recite similar features and are believed patentable for reasons similar to Claim 1. The dependent claims are believed patentable for at least the same reasons as the independent claims, as well as for the additional features they recite.

In view of the foregoing, Applicants submit that this application is in condition for allowance. Favorable reconsideration, withdrawal of the rejections set forth in the above-mentioned Office Action, and an early Notice of Allowance are requested.

Applicants' undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should continue to be directed to our below-listed address.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Brian L. Klock', is written over a horizontal line.

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